

## **ELECTRONIC SIGNAL ANALYZER WITH SIGNAL CONDITIONERS**

### **ABSTRACT**

The present invention is an apparatus for detecting machine parameters including vibration, producing signal corresponding to the parameters and conditioning the signals by means of predetermined criteria such as amplitude and time criteria. Routes may be input to the analyzer with settings that govern part of the conditioning for individual machines. The  
5 predetermined criteria also may include an input limit criterion which ensures the safety of the analyzer circuitry by indicating attenuation levels for incoming signals. The analyzer is also capable of two channel analysis of input signals including a summing analysis. The analyzer has thumb operated controls for easy operation in harsh environments.